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- (71) Applicant (for all designated States except US): **THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK** [US/US]; 110 Low Memorial Library, West 116th & Broadway, New York, NY 10027 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **NAKANISHI, Koji** [JP/US]; 560 Riverside Drive, New York, NY 10027 (US). **JARACZ, Stanislaw** [CZ/US]; 488 Bicycle Path, Port Jefferson Station, NY 11776 (US). **MALIK, Shahid** [PK/CA]; 961 Wonderland Road, London, N6K 2X9 (CA). **ISHII, Hideki** [JP/US]; 610 West 116th Street, Apt. 104, New York, NY 10027 (US). **DZYUBA, Sergei, V.** [UA/US]; 400 West 119th Street, Apt. 12H, New York, NY 10027 (US).
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(54) Title: SEPARATION OF GINKGOLIDES AND BILOBALIDE FROM G. BILOBA

(57) Abstract: The subject invention provides a method for separating a terpene trilactone from Ginkgo biloba plant material or from an extract of Ginkgo biloba comprising a mixture of terpene trilactones, the process comprising the steps of: a) subjecting the Ginkgo biloba plant material or the extract to column chromatography with an appropriate solvent system to produce at least a first fraction containing the terpene trilactone bilobalide, a second fraction eluted after the first fraction containing the terpene trilactones GA and GB, and a third fraction eluted after the second fraction containing at least a preponderance of the terpene trilactones GC and GJ; and b) alkylating the terpene trilactone GB of the second fraction so as to produce a first mixture including terpene trilactone GA and alkylated terpene trilactone GB; or alkylating the terpene trilactone GC of the third fraction so as to produce a second mixture including terpene trilactone GJ and alkylated terpene trilactone GC, so as to thereby isolate a terpene trilactone.

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